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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/976,212	10/12/2001	Bidyut Parruck	AZA-003-2D/2001-P005	1144
293	7590	09/21/2005	EXAMINER	
Ralph A. Dowell of DOWELL & DOWELL P.C. 2111 Eisenhower Ave. Suite 406 Alexandria, VA 22314			DUONG, DUC T	
			ART UNIT	PAPER NUMBER
			2663	

DATE MAILED: 09/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

UK

Office Action Summary	Application No.	Applicant(s)	
	09/976,212	PARRUCK ET AL.	
	Examiner	Art Unit	
	Duc T. Duong	2663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 4,10-16 and 45-53 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4,10-16 and 45 is/are allowed.
- 6) ☒ Claim(s) 46-53 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>10/12/01</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 46 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding to claim 46, it is unclear on lines 9-12 as to how when in operates in an egress mode the cell and packet traffic can be receive via the **first** bus interface. The examiner believe when operates in an egress mode the cell and packet traffic should be receive via the **second** bus interface. Thus, clarification is needed.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000.

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Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 46-53 are rejected under 35 U.S.C. 102(e) as being anticipated by Parruck et al (US Patent 6,751,224 B1).

Regarding to claim 46, Parruck discloses an integrated circuit (fig. 4), comprising a first bus interface 402 (fig. 4); a second bus interface 416 (fig. 4); and means 408-410 for receiving both cell-protocol traffic and packet-protocol traffic from the first bus interface 402, for buffering both the cell-protocol traffic and the packet-protocol traffic in a payload memory 412-414, and for outputting both the cell-protocol traffic and the packet-protocol traffic from the second bus interface 416 (fig. 4 col. 8 lines 13-30), the means being operable in an ingress mode (receive) wherein both the cell-protocol traffic and the packet-protocol traffic are output from the integrated circuit to a switch fabric via the second bus interface 416 (fig. 4 col. 8 lines 31-45), the means also being operable in an egress mode (transmit) wherein both the cell-protocol traffic and the packet-protocol traffic are received onto the integrated circuit from a switch fabric via the second bus interface (fig. 4 col. 8 lines 46-64).

Regarding to claim 47, Parruck discloses in the ingress mode the cell-protocol traffic and the packet-protocol traffic are output from the second bus interface in the form of switch cells, and wherein in the egress mode the cell-protocol traffic and the packet-protocol traffic are received from the switch fabric in the form of switch cells (fig. 6 col. 9 lines 29-39).

Regarding to claim 48, Parruck discloses the integrated circuit is configurable such that the switch fabric to which the cell-protocol traffic and the packet-protocol traffic are output in the ingress mode can be either a cell-based switch fabric or a packet-based switch fabric (fig. 3 col. 7 lines 26-30), and wherein the integrated circuit is configurable such that the switch fabric from which the cell-protocol traffic and the packet-protocol traffic are received in the egress mode can be either a cell-based switch fabric or a packet-based switch fabric (fig. 3 col. 7 lines 44-50).

Regarding to claim 49, Parruck discloses the means includes a segmentation engine 408-410, the segmentation engine being controlled to process the cell-protocol traffic in a first way and to process the packet-protocol traffic in a second way (fig. 4 col. 8 lines 21-30).

Regarding to claim 50, Parruck discloses the means includes a reassembly engine 456-458, the reassembly engine being controlled to process the cell-protocol traffic in a first way and to process the packet-protocol traffic in a second way (fig. 4 col. 8 lines 54-64).

Regarding to claim 51, Parruck discloses a method, comprising coupling a multi-service segmentation and reassembly (MS-SAR) integrated device to a switch fabric (fig. 4), the MS-SAR being configurable to operate in an ingress mode (receive) wherein the MS-SAR outputs switch cells (fig. 4 col. 8 lines 13-30), the MS-SAR being configurable to operate in an egress mode (transmit) wherein the MS-SAR receives switch cells (fig. 4 col. 8 lines 46-64), and configuring the MS-SAR to operate in one of the ingress mode and the egress mode (fig. 4 col. 7 lines 11-19).

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Regarding to claim 52, Parruck discloses operating the MS-SAR in the ingress mode, the MS-SAR receiving both cell-protocol traffic and packet-protocol traffic (fig. 3 col. 7 lines 44-48).

Regarding to claim 53, Parruck discloses operating the MS-SAR in the egress mode, the MS-SAR outputting both cell- protocol traffic and packet-protocol traffic (fig. 3 col. 7 lines 26-30).

Allowable Subject Matter

5. Claims 4, 10-16 and 45 allowed.


Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc T. Duong whose telephone number is 571-272-3122. The examiner can normally be reached on M-F (9:00 AM-5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Q. Ngo can be reached on 571-272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DD


RICKY NGO
PRIMARY EXAMINER

9/19/08